

3 December 1985

Safety

PRELAUNCH HAZARD NOTICE

This regulation establishes policies, procedures, and responsibilities for issuance of prelaunch notices required by Department of Defense Directives and Federal Regulations except for offshore oil rigs which are covered under WSMCR 127-14, Evacuation or Sheltering of Personnel on Offshore Oil Rigs. Security precautions are also stated for notices pertaining to classified launch operations. This regulation applies to all Western Space and Missile Center (WSMC) personnel supporting all ballistic missile, space launches, and aeronautical testing by the WSMC.

1. Applicable References:

- a. DOD Directive 3200.11, Major Range and Test Facilities.
- b. DOD Directive 4540.1, Use of Aerospace by U.S. Military Aircraft and Firings Over the High Seas.
- c. US CFR, Title 33, Part 204.202, Pacific Ocean Between Point Sal and Point Conception, California, Danger Zones.
- d. CINCPACFLT Instruction 3130.6F, Pacific Area Ocean Surveillance Report Services.
- e. AFR 55-16, The Air Force Notice to Airmen (NOTAM) System.
- f. SAMTO Organization and Function Chart Book.
- g. WSMCR 57-3, Range Resource Scheduling and Control.
- h. WSMCR 127-1, Range Safety Requirements.

2. Explanation of Terms, Definitions, and Addresses.

a. Contact Area Summary Position Estimate Report (CASPER) - these reports contain information on surface vessel movement on the oceans of the world. They are available from the Data Processing Servicing Center, Pacific (DPSCPAC) on request by authorized agencies. The request is in a standardized format which allows DPSCPAC to obtain information from its data storage facility and respond to a user's request in a minimum amount of time. The informa-

Supersedes: WSMCR 127-7, 11 June 1984. (See signature page for summary of changes.)

No. of Printed Pages: 15

OPR: WSMC/SEY (C. Gardner)

Approved By: WSMC/SE (Col H.B. Mon)

Editor: Mrs. S. Sutter

Distribution: F;X:

AUL/LDEA, Maxwell AFB AL 36112....1

HQ SD/SE.....2

tion is given with an "as of" time and contains for each ship: its identification, position, course, speed of advance, and sailing plans for any area requested (attachment 1).

b. Hydrographic Center, Pacific (HYDROPAC) Notice - a special notice to mariners. This is defined as an urgent notice of hazards to navigation in the Pacific Ocean. The HYDROPAC message is sent to the Defense Mapping Agency Hydrographic Center (DMAHC), Washington DC 20390, and distributed by that office (attachment 2).

c. Local Notice to Mariners (LONOTE) - information to surface vessels distributed as follows:

(1) WSMC written notification of offshore surface hazards for publication in weekly United States Coast Guard (USCG) Long Beach Local Notice to Mariners (attachment 3).

(2) Scheduled blind radio broadcasts by USCG Long Beach providing the latest available hazard information to offshore surface vessels.

(3) WSMC blind radio broadcasts notification on selected frequencies starting 24 hours before, and on the day of scheduled operations. WSMC also notifies, by telephone, the Port Control Offices (attachment 4). This information is posted on notice boards at the harbors for the benefit of small craft operators and fishermen.

d. Mile Markers - signs posted at one mile intervals along the Southern Pacific Transportation Company (SPTC) track, starting from Surf Station as mile zero and used in conjunction with surveillance aircraft for train position information. Notation is in miles north or south of Surf Station. Mile markers are also used to identify SPTC trackage hazard limits within the impact limit lines.

e. Notice to Airmen (NOTAM) - a notification to civil and military aircraft, through the appropriate Federal Aviation Administration (FAA) facility, of possible hazards due to missile launch operations and associated debris impact areas (attachment 5).

f. CCGD Eleven, Twelve, or Fourteen. Commander, Eleventh Coast Guard District, Long Beach CA; Twelfth CG District, San Francisco CA; or Fourteenth CG District, Honolulu HI.

g. Commander in Chief, Pacific Fleet (CINCPACFLT), Makalapa HI.

h. Commander, Pacific Missile Test Center (COMPACMISTESTCEN), Point Mugu CA.

i. Commander, Submarine Forces Pacific (COMSUBPAC), Pearl Harbor HI.

j. Fleet Area Control and Surveillance Facility (FACSFAC), San Diego CA.

k. Data Processing Servicing Center, Pacific (DPSCPAC), Pearl Harbor HI.

l. Center Technical Services Contractor (CTSC).

3. Background Summary. WSMC embraces a geographical area extending from the west coast of the United States to 90 degrees longitude in the Indian Ocean. Within these boundaries, WSMC conducts polar orbiting and ballistic missile operations. Although missile flight takes place primarily in space, the launch and ballistic reentry or recovery phases use airspace and ocean areas that can also be used by other aviation or maritime interests. Prelaunch Hazard Notices provide real and constructive notice to the domestic and international aviation and marine communities of the time and location of the hazards created by missile operations.

4. Flight Safety. The WSMC Commander is assigned the responsibility for assuring acceptable flight safety consistent with operational requirements for all test activities conducted on the Western Test Range (WTR). The Commander has delegated to WSMC Directorate of Safety (SE) the authority to ensure that all necessary safety precautions are implemented and requirements are met. (The appropriate notices of anticipated hazards are NOTAMs, LONOTES, and HYDROPACs.) The Flight Analysis Division (SEY) will establish and define airspace surface hazard areas using their flight safety criteria. The Scheduling Control Branch (DOS) will issue the prelaunch notification messages based on SEY requirements. All prelaunch notification information will be made available to the Missile Flight Control Officer (MFCO) of the Missile Flight Control Division (SEO), Range Control Officer (RCO), Test Management Division (DOT), Aerospace Test Management Branch (DOTR), and Range Operations Supervisor (ROS) to aid them in discharging their responsibilities.

5. Range Responsibilities:

a. SEY will identify airspace and surface area hazard requirements to the DOS.

b. SEY will provide information for compliance with the provisions of USCFR, Title 33, Part 204.202, and DOD Directive 4540.1.

c. DOS will originate and issue NOTAMs, HYDROPACs, LONOTES, and requests for CASPERs, as required.

d. DOS will provide prelaunch notification to the SPTC Trainmaster for launches which affect the railroad (WSMCR 127-11, Range Safety Surveillance).

e. The WTR Air Controllers (AC) in the Area Control Center (ACC) will display the track plots of all ships listed in the CASPER, or detected by radar surveillance in the local offshore area, for use by the MFCO (WSMCR 127-11).

6. Range Procedures.

a. SEY will:

(1) Determine the hazard area impact point coordinates, dispersion areas, and other information applicable for each launch.

(2) Check the accuracy of the above data.

(3) Ensure that page 4 of the Safety Data Letter (MFCD-15) is completed and delivered to DOS by ten working days prior to launch. (Quick

reaction programs may prevent compliance with this deadline. In this event, the completed MFCD-15, page 4, will be delivered as soon as practicable.)

(4) Ensure that a MFCD-15, page 4, containing danger zone closure information, is delivered to DOS by Wednesday of each week for closures during the second following week.

b. DOS will:

(1) For CASPER message request:

(a) Use the information on the MFCD-15, page 4, to prepare a message requesting the appropriate CASPER. A circular CASPER will normally be requested unless otherwise required (attachment 1).

(b) Prepare the message as required by CINCPACFLT Instruction 3130.6, with minimum addresses of DPSCPAC and COMSUBPAC.

(c) Ensure that the request is sent as far in advance as possible so that the CASPER is received by the Duty Air Controller (DAC), (FEC/OE230 for message addresses) and MFCO no later than T-180 minutes.

(d) Ensure the CASPER includes all standard addresses including SEO, DOTR, and FEC/OE230 (DAC).

(2) For NOTAMS:

(a) Use the hazard areas defined in the MFCD-15, page 4, to prepare a message for transmission to Oakland, Honolulu, and Los Angeles Air Route Traffic Control Centers with minimum information copies to COMPACMIS-TESTCEN/3219, SEO, DOTR, and FEC/OE-230 (attachment 5).

(b) Ensure that NOTAMS are sent not later than 48 hours prior to launch and as soon as possible when launch is rescheduled within a 48-hour period. NOTAM time period coverage will start at window opening and will extend beyond the launch window by a time period specified in the MFCD-15, page 4, NOTAM information sheet.

(c) Cancel NOTAMS by message after the time period specified in the MFCD-15, page 4, NOTAM information sheet for completed operations. For rescheduled operations, cancel NOTAMS by message as soon as possible.

(3) For HYDROPACs.

(a) Use the information on the MFCD-15, page 4, to prepare a message for transmission to DMAHC (Code NVI), Washington DC, and DMATC (Code NYS), Washington DC (addressed as DMAHTC), with information copies to at least CCGD Eleven, CCGD Twelve, CCGD Fourteen, COMSUBPAC, and FACSFAC (attachment 2).

(b) Ensure the message is sent five days prior to the original launch date. If an operation is rescheduled, the message will be sent again as appropriate. HYDROPAC coverage will commence at the launch window opening and extend to 60 minutes past the scheduled window time.

(4) For LONOTES. Use the information on the MFCD-15, page 4, to complete attachment 3, Local Notice to Mariners Information Letter. Mail to the CCGO office listed in attachment 4, by Thursday of each week for closures during the second following week. Copies of the information letter will be mailed to Port Control Offices (attachment 4).

(5) Notify the SPTC Trainmaster each Friday of operations scheduled for the upcoming week. The following information will be provided: item number, window time, and mile post markers affected.

(6) Provide SEY, SEO, DOTR, DOT, and the DAC with a copy of all prelaunch hazard notices sent.

c. The DAC will:

(1) For CASPERS:

(a) Verify receipt of the CASPER by T-180 minutes.

(b) Develop a display of CASPER information showing stage impact and the location, time, and advance Dead Reckoning (DR) position at T-0 of all ships listed on the report. CINCPACFLT messages updating CASPERs will also be used in plotting ships' positions.

(c) Have the above display available for the MFCO by T-90 minutes.

(d) At T-35 minutes, advise the MFCO of any vessels that will be within 20 nautical miles of the impact hazard areas at planned T-0.

(e) When directed by the MFCO, request position information from the USCG Rescue Coordination Centers (RCC), as appropriate, at:

1. Long Beach CA (Autovon 360-7129).

2. San Francisco CA (Autovon 730-3821).

3. Honolulu HI (Autovon 421-4845, or call Wheeler AFB by Red Ball 221, extension 421-4845).

(2) For LONOTES. Verify by telephone call with the Port Control Offices (Harbor Masters) (attachment 4) on Launch-1 day, the zones to be closed and time of closure.

(3) For NOTAMs:

(a) Verify by telephone or direct line call, at T-180 minutes, receipt of NOTAM messages by FAA Oakland, Los Angeles, and Honolulu Centers, as appropriate.

(b) Notify the appropriate FAA centers of planned (realistic) T-60 milestone and update as necessary to ensure initiation of air traffic reroute procedures by FAA.

(c) Advise FAA Oakland, Los Angeles, and Honolulu Centers, as appropriate, by voice direct line, of cancellations of NOTAMs as soon as

possible after scrub or reschedule, and at time of release after operation completion, as indicated on the MFCD-15, page 4.

7. Security Precautions. The security requirements of some launch programs would be compromised by following the above routine launch hazard notice procedures. The Range Commander's responsibility for safety and protection of classified information necessitates the following procedures, except for STS missions that are covered by AFSC/SD confidential document, Department of Defense Space Transportation System Operating Launch Notification Procedures (U), 1 Nov 84:

a. SEY will:

(1) Perform a special hazard analysis and evaluate the degree of risk associated with each area normally defined in prelaunch hazard notices.

(2) Recommend one, or a combination, of the following procedures for issuing launch hazard notices:

(a) Delete those notices pertaining to areas where the risk level is less than predetermined hazard criteria.

(b) Enlarge, skew, or distort the defined hazard area boundaries.

(c) Through DOS, advise the Pacific Missile Test Center (PMTTC Code 3230-SKEDS) by classified message of the launch hazard notice requirements and request the notices be issued with their routine message traffic.

(d) Coordinate with DOS and ensure message addressee lists are minimized to essential distribution.

b. DOS will:

(1) Coordinate the subject message traffic for classified launch operations with SEY, SEO, DOTR, and DOT. Provide SEY a copy of message traffic.

(2) Prepare the subject messages for routine release or re-release to PMTTC. LONOTES will not be issued.

(3) Advise DOTR concerning subject security precautions.

c. DOTR will:

(1) Instruct the DAC to delete telephone calls to Harbor Masters and the broadcast notices to mariners.

(2) Instruct the DAC concerning restricted use of radio and land line communications which are normally routine to launch operations.

OFFICIAL

LAWRENCE L. GOOCH, Colonel, USAF
CommanderBARBARA L. JONES
Chief of Administration

5 Atch

1. Example CASPER message.
2. Example HYDROPAC message.
3. Local Notice to Mariners
Information Letter Format
4. Addresses for Prelaunch
Hazard Notice "Vandenberg AFB
Danger Zone Closures."
5. Example NOTAM message.

SUMMARY OF CHANGES

This revision updates office symbols, addresses, and phone numbers; makes small additions and changes to para 1., 6.a.(1), 6.b.(2)(b), 6.b.(2)(c), 7, and 7.a.(2)(a).

Example CASPER Message

VZCZCFVE879
PTTUZYUW MRS1 8599 0581714-UUUU-ROR.
ZNR UUUUU
P 271540Z MAR 84
FM WSMC VAFB CA//DOS//
TO RHHMBRA/CINCPACFLT PEARL HARBOR HI
RUHPTRA/COMTHIRDFLT HI
RUHPDBA/COMSUBPAC HI
INFO RHHMBRA/NAVDATACEN PEARL HARBOR HI
RUWDLAA/COMSUBGRU FIVE
RUADLLA/COMSUBGRU SEVEN
ZEN/SE/WSMC VAFB CA//SEO/SEY//
ZEN/ROO/WSMC VAFB CA//DOTR//
ZEN/RO/WSMC VAFB CA//DOT//
ZEN/OCS/FEC VAFB CA
ZEN/OCC1/FEC VAFB CA//OE230//
BT

UNCLAS

SUBJ: CASPER SUPPORT

- I. A. CIRCULAR.
 - B. 011759Z MAR 84.
 - C. 34.4600N/120.7300W.
 - D. 150 NAUTICAL MILES.
 - E. ALL.
 - F. NONE.
 - G. INCLUDE FEC VAFB CA OE230.
 - H. SHIPPING ANALYSIS FOR OP NO 6551.
- II. A. CIRCULAR.
 - B. 011759Z MAR 84.
 - C. 31.7167N/121.4463W.
 - D. 150 NAUTICAL MILES.
 - E. ALL.
 - F. NONE.
 - G. INCLUDE FEC VAFB CA OE230.
 - H. SHIPPING ANALYSIS FOR OP NO 6551.
- III. A. CIRCULAR.
 - B. 011759Z MAR 84.
 - C. 14.9074N/125.3399W.
 - D. 150 NAUTICAL MILES.
 - E. ALL.
 - F. NONE.
 - G. INCLUDE FEC VAFB CA OE230.
 - H. SHIPPING ANALYSIS FOR OP NO 6551.

Example HYDROPAC Message

VZCZCHVE986

PTTUZYUW MRS1 8511 0522216-UUUU--ROR.

ZNR UUUUU

P 212110Z FEB 84

FM WSMC VAFB CA//DOS//

TO RUEOPAA/DMAHTC WASH DC//NVS//

RUWFZAA/FACSFAC SAN DIEGO CA

RUWJNJA/CCGD ELEVEN LBEACH CA

RUWMHIA/CCGD TWELVE SFRAN CA

RHHMSWA/CCGD FOURTEEN HONO HI

INFO RUHPDBA/COMSUBPAC PEARL HARBOR HI

RUWDLAA/COMSUBTRAGRU WESTCOAST SAN DIEGO CA

RUWFPAA/COMPACMISTESTCEN PT MUGU CA

ZEN/RO/WSMC VAFB CA//DOT//

ZEN/SE/WSMC VAGB CA//SEO/SEY//

ZEN/ROO/WSMC VAFB CA

ZEN/OCS/FEC VAFB CA

ZEN/OCC1/FEC VAFB CA//OE230//

BT

UNCLAS

COMPACMISTESTCEN FOR 3200/3200-3/3400/3443

SUBJECT: HYDROPAC

1. THE WESTERN SPACE AND MISSILE CENTER ADVISES THAT HAZARDOUS OPERATIONS WILL BE CONDUCTED FROM SURFACE TO UNLIMITED ALTITUDES DURING THE PERIOD FROM 200200Z TO 290700Z FEB 84.

A. AREA ENCLOSED BY THE FOLLOWING COORDINATES:

- (1) 34 DEG 39 MIN N, 124 DEG 55 MIN W.
- (2) 34 DEG 49 MIN N, 123 DEG 24 MIN W.
- (3) 34 DEG 25 MIN N, 123 DEG 20 MIN W.
- (4) 34 DEG 15 MIN N, 124 DEG 53 MIN W.

B. AREA ENCLOSED BY THE FOLLOWING COORDINATES:

- (1) 30 DEG 21 MIN N, 146 DEG 50 MIN W.
- (2) 30 DEG 36 MIN N, 145 DEG 59 MIN W.
- (3) 30 DEG 18 MIN N, 145 DEG 52 MIN W.
- (4) 30 DEG 04 MIN N, 146 DEG 44 MIN W.

2. VESSELS ARE REQUESTED TO CIRCUMNAVIGATE THE ABOVE AREAS DURING TIMES SPECIFIED.

BT

Local Notice to Mariners Information Letter Format

DOS

Local Notice to Mariners Information

Commander, Eleventh Coast Guard District

1. Operations considered hazardous to surface vessels will be conducted in the offshore areas of Vandenberg AFB.
2. The following danger zones will be closed to entry. It is requested that the information be published in the next weekly Local Notice to Mariners.

DANGER ZONES CFR TITLE 33, 204, 202 AT VANDENBERG AFB	SCHEDULE	TYPE OF OPERATION & AGENCY TELEPHONE
--	----------	---

1, 2	07 APR 10:00 PM to 08 APR 7:00 AM	Missile Firing
------	--------------------------------------	----------------

CLARENCE C. CULLUM
Chief, Scheduling Control Branch
Western Test Range

cc: Harbor Master, Morro Bay
Harbor Master, Santa Barbara
Harbor Master, Channel Islands
Harbor Master, San Luis
Harbor Master, Ventura Marina
Harbor Master, Port Hueneme
WSMC/DOT/DOTR/SEO/SEY

Addresses for PreLaunch Hazard Notice "Vandenberg AFB Danger Zone Closures"

PORT CONTROL OFFICES

MORRO BAY:

Harbor Master
Harbor Dept.
1275 Embarcadero
Morro Bay CA 93442
805-772-1214 ext 241 or 242
ask for Harbor Patrol
805-772-1217 after hours
Attn: Jim Funk
Chief Harbor Patrol Officer

SANTA BARBARA:

Harbor Master
132-A Harbor Way
Santa Barbara CA 93109
805-963-1737
Attn: Steven H. Lewis

CHANNEL ISLANDS HARBOR:

SAN LUIS:

Harbor Master
Port San Luis
PO Box 249
Avila Beach CA 93424
805-595-2381
Attn: Bill King

VENTURA MARINA:

Harbor Master
1603 Anchors Way Drive
Ventura CA 93001
805-642-8618
Attn: John Tyler

PORT HUENEME:

Port Services Officer (Code 70)
Naval Construction Battalion Ctr
Port Hueneme CA 93043

Harbor Master
3900 Pelican Way
Oxnard CA 93030
805-984-8693
Attn: Frank Anderson

805-982-3121

COAST GUARD "LOCAL NOTICES TO MARINERS"

Commander
11th Coast Guard District
Union Bank Building
400 Oceangate Blvd
Long Beach CA 90822
Attn: Aids to Navigation Section

Example NOTAM Message

NNNNVZCZCHYE670
PTTUZYUW MRS1 8545 0560017-UUUU-ROR.
ZNR UUUUU
P242230Z FEB 84
FM WSMC VAFB CA//DOS//
TO RUWMDLA/OAKLAND ARTCC CA
RUHHBAA/CO KMR KWAJALEIN MI
RUFGBA/CARF WASH DC
RUHHFSA/HONOLULU ARTCC HI
RUWTARA/AFCNF CARSWELL AFB TX
RUHQASA/OL-A/AFCNF HICKAM AFB HI
RUWFPAA/COMPACMISTESTCEN PT MUGU CA
INFO RUWJHHA/LAX ARTCC CA
RUHQASA/PACIFIC NOTAM LIAISON OFC HICKAM AFB
RUWNOJA/COMPATWINGSPAC MOFFETT FLD CA
RUQBPA/COMPATWING TWO HARBORS PT HI
ZEN/ROO/WSMC VAFB CA//DOTR//
ZEN/RO/WSMC VAFB CA//DOT//
ZEN/SE/WSMC VAFB CA//SEO/SEY//
ZEN/WE/DET 30 TWO WEATHER WING VAFB CA
ZEN/ROO/WSMC VAFB CA
ZEN/OCS/FEC VAFB CA
ZEN/OCC1/FEC VAFB CA//OE230//
BT
UNCLAS

FOR COMPACMISTESTCEN 3200/3200-3/3400/3443

1. THE WESTERN TEST RANGE NOTAM R0/07 FEB 84 ADVISES THAT WTR OPERATIONS WILL BE CONDUCTED FROM SURFACE TO UNLIMITED ALTITUDES AT VANDENBERG FROM 290200Z TO 290626Z 84. IMPACTING MATERIAL WILL BE CONTAINED WITHIN THE FOLLOWING AREAS:

(KZOA) 3439N 12456W 3449N 12324W 3425N 12320W 2415N 12453W

(PHZH) 3021N 14650W 3036N 14559W 3018N 14552W 3004N 14644W

2. IN THE INTEREST OF SAFETY ALL NON PARTICIPATING PILOTS ARE STRONGLY ADVISED TO AVOID THE ABOVE AREAS. IFR TRAFFIC UNDER ATC JURISDICTION SHOULD ANTICIPATE REROUTING IN VICINITY OF IMPACTS. REAL-TIME COORDINATION OF SPECIFIC TIME PERIOD WILL BE EFFECTED BY FRONTIER CONTROL WITH APPROPRIATE CONTROL CENTERS.

3. REQUEST DISTRIBUTION ON MILITARY, CIVILIAN, AND INTERNATIONAL NOTAM AND FSS CIRCUITS.

BT